



PTO/SB/08a (08-03)

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Substitution for form 249A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 6

**Complete if Known**

Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux
Art Unit	3672
Examiner Name	William P. Neuder
Attorney Docket Number	WEAT/0344.P1

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
WN	A1	US-7,128,154	10-31-2006	Giroux, et al.	
	A2	US-7,117,957	10-10-2006	Metcalfe, et al.	
	A3	US-7,108,084	09-19-2006	Vail, III	
	A4	US-7,108,083	09-19-2006	Simonds, et al.	
	A5	US-7,108,072	09-19-2006	Cook, et al.	
	A6	US-7,100,713	09-05-2006	Tulloch	
	A7	US-7,100,710	09-05-2006	Vail, III	
	A8	US-7,096,982	08-29-2006	McKay, et al.	
	A9	US-7,093,675	08-22-2006	Pia	
	A10	US-7,090,004	08-15-2006	Warren, et al.	
	A11	US-7,048,050	05-23-2006	Vail, III, et al.	
	A12	US-7,040,420	05-09-2006	Vail, III	
	A13	US-7,036,610	05-02-2006	Vail, III	
	A14	US-7,013,997	03-21-2006	Vail, III	
	A15	US-7,004,264	02-28-2006	Simpson, et al.	
	A16	US-6,953,096	10-11-2005	Gledhill, et al.	
	A17	US-6,941,652	09-13-2005	Echols, et al.	
	A18	US-6,926,126	08-09-2005	Baumann, et al.	
	A19	US-6,923,255	08-02-2005	Lee	
	A20	US-6,920,932	07-26-2005	Zimmerman	
	A21	US-6,857,487	02-22-2005	Galloway, et al.	
	A22	US-6,845,820	01-25-2005	Hebert, et al.	
	A23	US-6,802,374	10-12-2004	Edgar, et al.	
	A24	US-6,749,026	06-15-2004	Smith, et al.	
	A25	US-6,742,591	06-01-2004	Metcalfe	
	A26	US-6,732,822	05-11-2004	Slack, et al.	
	A27	US-6,725,917	04-27-2004	Metcalfe	
	A28	US-6,722,559	04-20-2004	Millar, et al.	
	A29	US-6,702,029	03-09-2004	Metcalfe, et al.	
	A30	US-6,576,630	06-17-2003	Simpson, et al.	
	A31	US-6,571,868	06-03-2003	Victor	
	A32	US-6,527,049	03-04-2003	Metcalfe, et al.	

Examiner  
Signature

/William Neuder/

Date  
Considered

12/12/2006

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/772,217
		Filing Date	February 2, 2004
		First Named Inventor	Richard L. Giroux
		Art Unit	3672
		Examiner Name	William P. Neuder
Sheet	2	of	6
		Attorney Docket Number	WEAT/0344.P1

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
WN	A33	US- 6,448,323	09-10-2002	Metcalfe, et al.	
	A34	US- 6,425,444	07-30-2002	Metcalfe, et al.	
	A35	US- 6,224,112	05-01-2001	Eriksen, et al.	
	A36	US- 6,085,838	07-11-2000	Vercaemer, et al.	
	A37	US- 6,029,748	02-29-2000	Forsyth, et al.	
	A38	US- 6,021,850	02-08-2000	Wood, et al.	
	A39	US- 5,901,787	05-11-1999	Boyle	
	A40	US- 5,890,540	04-06-1999	Pia, et al.	
	A41	US- 5,791,416	08-11-1998	White, et al.	
	A42	US- 5,755,299	05-26-1998	Langford, Jr., et al.	
	A43	US- 5,718,288	02-17-1998	Bertet, et al.	
	A44	US- 5,685,369	11-11-1997	Ellis, et al.	
	A45	US- 5,611,397	03-18-1997	Wood	
	A46	US- 5,560,426	10-01-1996	Trahan, et al.	
	A47	US- 5,409,059	04-25-1995	McHardy	
	A48	US- 5,343,988	09-06-1994	Glowka	
	A49	US- 5,303,772	04-19-1994	George, et al.	
	A50	US- 5,083,608	01-28-1992	Abdrakhmanov, et al.	
	A51	US- 5,024,273	06-18-1991	Coone, et al.	
	A52	US- 4,697,640	10-06-1987	Szarka	
	A53	US- 4,613,161	09-23-1986	Brisco	
	A54	US- 4,610,320	09-09-1986	Beakley	
	A55	US- 4,588,030	05-13-1986	Blizzard	
	A56	US- 4,531,581	07-30-1985	Pringle, et al.	
	A57	US- 4,469,174	09-04-1984	Freeman	
	A58	US- 4,429,820	02-07-1984	Burkhardt, et al.	
	A59	US- 4,324,407	04-13-1982	Upham, et al.	
	A60	US- 4,319,393	03-16-1982	Pogonowski	
	A61	US- 4,288,082	09-08-1981	Setterberg, Jr.	
	A62	US- 4,159,584	07-03-1979	Cooper, Jr.	
	A63	US- 4,127,168	11-28-1978	Hanson, et al.	
WN	A64	US- 4,069,573	01-24-1978	Rogers, Jr., et al.	

Examiner Signature	/William Neuder/	Date Considered	12/12/2006
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Sheet 3 of 6

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux
Art Unit	3672
Examiner Name	William P. Neuder
Attorney Docket Number	WEAT/0344.P1

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		Number - Kind Code <sup>2</sup> (if known)				
WN	A65	US- 3,948,321	04-08-1978	Owen, et al.		
	A66	US- 3,911,707	10-14-1975	Minakov, et al.		
	A67	US- 3,818,734	06-25-1974	Bateman		
	A68	US- 3,776,307	12-04-1973	Young		
	A69	US- 3,712,376	01-23-1973	Owen, et al.		
	A70	US-3,621,910	11-23-1971	Sanford, et al.		
	A71	US- 3,467,180	09-16-1969	Pensotti		
	A72	US- 3,195,646	07-20-1965	Brown		
	A73	US- 3,087,546	04-30-1963	Woolley		
	A74	US- 2,898,971	08-11-1959	Hempel		
	A75	US- 2,383,214	08-21-1945	Prout		
	A76	US- 2,345,308	03-28-1944	Wallace		
	A77	US- 2,344,120	03-14-1944	Baker		
	A78	US- 2,216,226	10-01-1940	Bumpous		
	A79	US- 2,214,226	09-10-1940	English		
	A80	US-2,102,555	12-14-1937	Dyer		
	A81	US- 1,930,825	10-17-1933	Raymond		
	A82	US-1,851,289	03-29-1932	Owen		
	A83	US- 1,597,212	08-24-1926	Spengler		
	A84	US- 1,569,729	01-12-1926	Duda		
	A85	US- 1,561,418	11-10-1925	Duda		
	A86	US- 1,545,039	07-07-1925	Deavers		
	A87	US- 1,459,990	06-26-1923	Reed		
	A88	US- 1,324,303	12-09-1919	Carmichael		
	A89	US- 761,518	05-31-1904	Lykken		
	A90	US- 2005/0183892	08-25-2005	Oldham, et al.		
	A91	US-2005/0152749	07-14-2005	Anres, et al.		
	A92	US- 2004/0238218	12-02-2004	Runia, et al.		
	A93	US- 2004/0060700	04-01-2004	Vert, et al.		
	A94	US- 2004/0011566	01-22-2004	Lee		
	A95	US- 2002/0166668	11-14-2002	Metcalfe, et al.		
WN	A96	US- 2002/0145281	10-10-2002	Metcalfe, et al.		

Examiner  
Signature

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		Filing Date	February 2, 2004
		First Named Inventor	Richard L. Giroux
		Art Unit	3672
		Examiner Name	William P. Neuder
Sheet 4 of 6	Attorney Docket Number	WEAT/0344.P1	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
WN	A97	US- 2001/0045284	11-29-2001	Simpson, et al.	
WN	A98	US- 2001/0040054	11-15-2001	Haugen, et al.	
WN	A99	US-2001/0000101	04-05-2001	Lovato, et al.	
	A100	US-			
	A101	US-			
	A102	US-			
	A103	US-			
	A104	US-			
	A105	US-			

Examiner Signature	/William Neuder/	Date Considered	12/12/2006
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**INFORMATION DISCLOSURE  
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Sheet 5 of 6

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Application Number	10/772,217
Filing Date	February 2, 2004
First Named Inventor	Richard L. Giroux
Art Unit	3672
Examiner Name	William P. Neuder
Attorney Docket Number	WEAT/0344.P1

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
WN	B1	GB 2 396 375	06-23-2004	Galloway, et al.		
	B2	GB 2 326 896	01-06-1999	Montaron		
	B3	GB 2 320 734	07-01-1998	Coronado, et al.		
	B4	GB 2 239 918	07-17-1991	Vanderjagt		
	B5	GB 2 221 482	02-07-1990	Baker, et al.		
	B6	GB 887,150	01-17-1962	Schramm, et al.		
	B7	RU 2079633	05-20-1997	Sultan, et al.		
	B8	WO 02/29199	04-11-2002	Cook, et al.		
	B9	WO 01/60545	08-23-2001	Cook, et al.		
	B10	WO 00/77431	12-21-2000	Cook, et al.		
	B11	WO 00/37773	06-29-2000	Metcalfe, et al.		
	B12	WO 00/37772	06-29-2000	Metcalfe, et al.		
WN	B13	WO 99/18328	04-15-1999	Bailey, et al.		
	B14					
	B15					
	B16					
	B17					
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		Filing Date	February 2, 2004
		First Named Inventor	Richard L. Giroux
		Art Unit	3672
		Examiner Name	William P. Neuder
Sheet 6 of 6	Attorney Docket Number	WEAT/0344.P1	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
WN	C1	Multilateral Case History, Onshore-Nigeria, Baker Hughes, 2000	
WN	C2	Multilateral Case History, Offshore Norway, Baker Hughes, 1995	
WN	C3	TOMMY WARREN, BRUCE HOUTCHENS, AND GARRETT MADELL, Directional Drilling With Casing, SPE/IADC 79814, SPE/IADC Drilling Conference, Amsterdam, The Netherlands, February 19-21, 2003, pages 1-10	
	C4		
	C5		
	C6		
	C7		
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	C10		
	C11		
	C12		
	C13		
	C14		

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[illegible]

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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